

15. ACRONYMS

ADEOS Advanced Earth Observing System

AEAP Atmospheric Effects of Aviation Project

AGS Advanced Geostationary Studies

AIRS Atmospheric Infrared Sounder

AMIP Atmospheric Model Intercomparison Project

AMSR Advanced Microwave Scanning Radiometer

AMSU Advanced Microwave Sounding Unit

ARL Airborne Raman Lidar

ARM Atmospheric Radiation Measurement

AVHRR Advanced Very High Resolution Radiometer

AVIRIS Airborne Visible/Infrared Imaging Spectrometer

BUV Backscatter Ultraviolet

CCD Charge Couple Device

CEAS Center for Earth-Atmosphere Studies

CERES Clouds and the Earth's Radiant Energy System

CHARC CSTEa HBCU Academic and Research Consortium

CHEM Chemistry

CLS Cloud Lidar System

COADS Comprehensive Ocean Atmosphere Data Set

CSTEa Center for the Study of Terrestrial and Extraterrestrial Atmospheres

CrIS Cross-track Infrared Sounder

CRISTA Cryogenic Infrared Spectrometer and Telescope for the Atmosphere

CRM Cloud Resolving Model

CTM Chemistry and Transport Model

DAAC Distributed Active Archive Center

DAO Data Assimilation Office

DAS Data Assimilation System

DIAL Differential Absorption Lidar

DOD Department of Defense

DOE Department of Energy

DSP Doppler Spread parameterization

ECMWF European Center for Medium-Range Weather Forecasting

EDOP ER-2 Doppler Radar

ENSO El Niño Southern Oscillation

EOS Earth Observing System

EP Earth Probe

ERBE Earth Radiation Budget Experiment

ESA European Space Agency

ESSIC Earth System Science Interdisciplinary Center

EUV Extreme Ultra Violet

FM Flight Model

FOR field of regard

GCE Goddard Cumulus Ensemble (model)

GCIP GEWEX Continental-scale International Project

GCM General Circulation Model

GCMS Gas Chromatograph Mass Spectrometer

GEOS Goddard EOS (model)

GEWEX Global Energy and Water cycle Experiment

GISS Goddard Institute for Space Studies

GLOBE Global Learning and Observations to Benefit the Environment

GMI Global Modeling Initiative

GMS Geostationary Meteorological satellite

GOES Geostationary Operational Environmental Satellite

GPCP Global Precipitation Climatology Project

GPROF Goddard Profiling Algorithm

GSFC Goddard Space Flight Center

GV Ground Validation

GVP Global Validation Program

GW Gravity Wave or Ground Wetness

HBCU Historically Black Colleges and Universities

HIRS High Resolution Infrared Sounder

HSB Humidity Sounder Brazil

HUPAS Howard University Program in Atmospheric Sciences

IAP Independent Activity Period

IAU Incremental Analysis Update

IFOV Instantaneous Field of View

IGS Internal Government Studies

IITA Information Infrastructure Technology and Applications

INMS Ion and Neutral Mass Spectrometer

IOP Intensive Operations Period

IPO Integrated program Office

IR Infrared

ISCCP International Satellite Cloud Climatology Project

ISIR IR Spectrometer Imaging Radiometer

JCET Joint Center for Earth Systems Technology

JCG Joint Center for Geoscience

JCOSS Joint Center for Observation System Science

JPL Jet Propulsion Laboratory

LASAL Large Aperture Scanning Airborne Lidar

LORE Limb Ozone Retrieval Experiment

MBA microbolometer array

MM5 Mesoscale Model Version 5

MPL Micro Pulse Lidar

MODIS Moderate Resolution Imaging Spectroradiometer

MSU Microwave Sounding Unit

NAS Numerical Aerospace Simulation

NASA National Aeronautics and Space Administration

NAT nitric acid anhydride

NCAR National Center for Atmospheric Research

NCEP National Center for Environmental Prediction

NESDIS National Environmental Satellite Data and Information Service

NMS Neutral Mass Spectrometer

NOAA National Oceanic Atmospheric Administration

NRC National Research Council

NWS National Weather Service

NSCAT NASA Scatterometer

PIP Precipitation Intercomparison Project

PLACE Parameterization for Land Atmosphere Cloud Exchange

POES Polar Orbiting Environmental Satellites

POLARIS Photochemistry of Ozone Loss in the Artic Region in Summer

PSAS Physical-space Statistical Analysis System

PSC Polar Stratospheric Cloud

PW Planetary Wave

RCDF Radiometric Calibration and Development Facility

RSD Remote Sensing Data

SAO Semi-Annual Oscillation

SBUV Solar Backscatter Ultraviolet

SBUV/2 Solar Backscatter Ultraviolet/version 2

SCAR-B Smoke Cloud And Radiation-Brazil

SDCD Space Data and Computing Division

SDS Solar Disk Sextant

SGP Southern Great Plains

SLA Shuttle Laser Altimeter

SOLSE Shuttle Ozone Limb Sounding Experiment

SRL Scanning Raman Lidar

SSBUV Shuttle Solar Backscatter Ultraviolet

SSM/I Special Sensor Microwave/Imager

SST Sea Surface Temperature

SSU Special Sensor Unit

STRAT Stratospheric Transport of Atmospheric Tracers

STROZ LITE Stratosphere Ozone Lidar Trailer Experiment

SUCCESS Subsonic Aircraft: Contrails and Cloud Effects Special Study

TARFOX Tropospheric Aerosol Radiative Forcing Observational Experiment

TIROS Televised Infrared Operational Satellite

TOGA-COARE Tropical Ocean Global Atmosphere-Coupled Ocean Atmosphere Response Experiment

TOMS Total Ozone Mapping Spectrometer

TOTE/VOTE Tropical Ozone Transport Experiment/Vortex Ozone Transport Experiment

TOVS TIROS Operational Vertical Sounder

TRMM Tropical Rainfall Measuring Mission

TSCC Tilt Scan CCD Camera

TSDIS TRMM Science Data and Information System

UARS Upper Atmosphere Research Satellite

UNEP United Nations Environment Program

USRA Universities Space Research Association

UV ultraviolet

VIRL Visible and IR Lidar

VIS Visible

WWB westerly wind burst

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